

August 15, 1958

## SPECIAL SEQUENCE CAMERA

Outline of Specifications

## 1. Complete System Consists of:

- a. Camera body
- b. 100 ft. magazine
- c. 200 " "
- d. 400 " "
- e. 1,000 " "
- f. 1" focal length lens f/2.3
- g. 2" " " f/2.3
- h. 4" " " 2.3
- i. 6" " " 2.7
- j. 12" " " 4.5
- k. 18 " " " 5.6
- l. 24 " " " 5.6
- m. Power pack including receiver and transmitter.
- n. Accessories such as rangefinder, boresight, lens support, filters, extension power cables.

*Aug 20-58  
This unit was  
demonstrated to  
the A & D group  
this date. CWH  
Unit was returned  
to PSD. this date.  
CWH*

## 2. System Characteristics:

- a. Unit operates on 24v. D. C. , as supplied by power pack.
- b. Lenses and magazines are readily interchangeable, making it suitable for a wide range of applications.

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- c. Interval rate is variable over a wide range, so as to provide maximum coverage requirements.
- d. The entire system is compact and light in weight.
- e. The camera is designed for minimum power drain for maximum running time.
- f. Integral, through the lens, automatic exposure (shutter) control.
  - 1. The automatic shutter control ~~extends~~ the operation of the camera under poor light conditions (lens is usually set wide open).
  - 2. Under normal light conditions, the automatic shutter control sets the shutter at higher speeds thus yielding sharp pictures of moving subjects.
  - 3. Camera will remain in operation as light level decreases and will automatically shut-off when the light level is one stop below normal exposure. Correspondently, the camera will automatically turn-on as the light level reaches one stop below normal exposure.
  - 4. For moving subjects, the shutter speed can be set so as not to drop below 1/100 second.
  - 5. The 'ASA' film rating can be set by a control switch that is coupled to the automatic exposure control.
- g. Shutter can be manually set. Speeds range from 1/50 second to 1/1600 second.

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- h. Integral "Sequence Timer" covering a wide range i. e. from (1) frame per second to (1) frame per hour. 10 different intervals available.
- i. Independent "Burst Control Switch", i. e. 6 frames (1) second apart to occur at interval selected on sequence timer.
- j. The separate self-contained power pack is in a rigid carrying case. Batteries are re-chargeable.
- k. Camera can be focused through lens with a boresight.
- l. The camera has a viewfinder with scale for seven different interchangeable lenses.
- m. The 100' and 200' magazines can be daylight loaded.
- n. All magazines have:
  - a. Automatic footage dials (footage remaining)
  - b. Removable pressure plate
- o. The camera is completely automatic (following initial settings) and can be left unattended for long periods of time.
- p. Remote control by radio, the camera can be started or stopped.
- q. The size and weight of the camera is kept to a minimum and is designed around smallest area of film capacity (100').
- r. The camera has an exceptionally low noise level.
- s. Operating instruction marked directly on camera.

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ADDITIONAL FEATURES WHICH ARE TO BE ADDED:

1. DATA RECORDING TO INDICATE POINT AT WHICH  
ALSO,  
CAMERA SHUTS OFF. A DURING LONG PERIODS OF  
OPERATION, ~~A DATA~~ AN HOURLY INDICATION IS  
RECORDED ON THE FILM TO GIVE INDICATIONS OF  
LAPSE OF TIME
2. VARIOUS ELEMENTS ARE BEING REDESIGNED FOR  
GREATER RELIABILITY IN OPERATION AS WELL AS  
SIMPLIFICATION FROM A MAINTENANCE POINT OF VIEW,
3. BATTERY CHARGER - MINIATURIZED DESIGN  
FOR GOOD TRANSPORTATION HANDLING AND TO  
WORK FROM 110 OR 220 V AC AND DC.